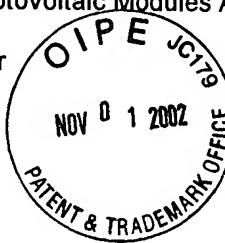


In re application of: Ronald C. Gonsiorawski
Serial No.: 10/035,107
Filed: 12/27/01
For: Encapsulated Photovoltaic Modules And Method Of Manufacturing Same
Art Unit: 1753
Examiner: Brian L. Mutschler

Case Docket No. ASE-08 CIP



Assistant Commissioner For Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted.
 A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.
 No additional fee is required.

The fee has been calculated as shown below:

	Claims After Amend.		Most Claims Previously Paid For	Present Extra Claims	Rate	Small Entity Additional Fee	Large Entity Rate	Large Entity Additional Fee
Total	13	Minus	22	0	x 9		x18	0
Indepen.	4	Minus	3	1	x 42		x84	84.00
Mult. Claims					+140		+280	

Total Additional Fee Total Additional Fee \$84.00

Please charge my Deposit Account No. 16-0221 the amount of \$ _____. A duplicate copy of this sheet is attached.

A check in the amount of \$84.00 is attached.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 16-0221. A duplicate copy of this sheet is attached.

Any filing fees required under 37 CFR 1.16 for the presentation of extra claims.
 Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

Pandiscio & Pandiscio
470 Totten Pond Road
Waltham, Massachusetts 02451-1914
Tel. (781) 290-0060
Fax (781) 290-4840



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ronald C. Gonsiorawski
Serial No.: 10/035,107
Filing Date: 12/27/01
For: Encapsulated Photovoltaic Modules And Method
Group Art Unit: Of Manufacturing Same
Examiner: 1753
Attorney's Docket No.: Brian L. Mutschler
ASE-08 CIP

5/A
W.M.
11/5/02

11 October, 2002

Assistant Commissioner For Patents
Washington, D.C. 20231

Sir:

AMENDMENT "A"

In response to the Official Action issued 16 May 2002, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Page 8 -- please replace the paragraph commencing in line 5 with the following new paragraph:

The present invention overcomes the problem of flux-induced ionomer degradation by using a zinc-based ionomer as the encapsulant. It has been determined that zinc-based ionomers exist that are transparent, stable and capable of bonding adjacent components of a solar cell module. Such zinc-based ionomers are exemplified by two DuPont products identified as SURLYN 1705-1 and SURLYN 1706. These polymers have excellent optical properties and high hot tack strength. The exact chemical composition of these materials is not known, but they are believed to be produced by adding a salt containing zinc cations to a copolymer of ethylene-methacrylic acid, or to a copolymer of ethylene-acrylic acid, and subjecting that composition to acid neutralization, resulting in the formation of ion clusters within the resulting polymer matrix. The SURLYN 1705-1

ASE-08 CIP

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